**DAILY ASSESSMENT FORMAT**

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| **Date:** | **21/05/2020** | **Name:** | **Chandana. R** |
| **Course:** | **Python** | **USN:** | **4AL16EC017** |
| **Topic:** | **Project Exercise with Python**  **and MySQL: Interactive**  **English Dictionary**  **Data Analysis with Pandas** | **Semester & Section:** | **8th - A** |
| **Github Repository:** | **chandana-shaiva** |  |  |

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| **AFTERNOON SESSION DETAILS** |
| **Image of session**            **Report –**  **Project Exercise with Python and MySQL: Interactive English Dictionary**  **Introduction to the App & Making of the App –**  **Code:**    **Output –**    In the example we used the following SQL statement in our Python code:  query = cursor.execute ("SELECT \* FROM Dictionary WHERE Expression = 'rain'")  This statement retrieved all the rows of the Dictionary table where the value of the column Expression was rain. The string inside cursor.execute () is SQL code that Python sends to the database. That kind of language is understood by the database.  **Data Analysis with Pandas–**  Installing Pandas  Make sure you have pandas installed. You can install it with pip:  pip install pandasor pip3 install pandas  Also, in the next lecture, we will use an enhanced Python interactive shell called IPython.IPython is just like the normal shell you get when you run python, but IPython provides better printing for large text. This ability makes IPython suitable for data analysis because the program prints data in a well-structured format. You can install IPython with pip:  pip install ipython orpip3 install ipython  **Loading JSON Files**  In the previous lecture you learned that you can load a CSV file with this code:   1. import pandas 2. df1 = pandas.read\_csv("supermarkets.csv")   Try loading the supermarkets.json file for this exercise using read\_json instead of read\_csv.  The supermarkets.json file can be found inside the supermarkets.zip file attached in the previous lecture*.*  The code for loading the supermarkets.json file in Python with pandas would be this:   1. import pandas 2. df2 = pandas.read\_json("supermarkets.json")   The df2 data frame should contain this data:  https://i.udemycdn.com/redactor/raw/2019-03-04_22-08-20-408555f66e663f35bb73f1a9c8b43778.png |